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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/474,345	12/29/1999	SANJAY DABRAL	42390.P6202	2139
7:	590 07/16/2003			
SETH Z KALSON BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP 12400 WILSHIRE BOULEVARD			EXAMINER	
			NORRIS, JEREMY C	
SEVENTH FLOOR LOS ANGELES, CA 900251026		ART UNIT	PAPER NUMBER	
	,		2827	

DATE MAILED: 07/16/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<ul> <li>Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). </li> <li>Status <ol> <li>Responsive to communication(s) filed on 21 November 2002.</li> <li>This action is FINAL. 2b) This action is non-final.</li> <li>Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.</li> </ol> </li> <li>Disposition of Claims <ol> <li>Claim(s) 1,2,5,15 and 16</li> <li>is/are pending in the application.</li> <li>Of the above claim(s) 15 and 16</li> <li>is/are withdrawn from consideration.</li> </ol> </li> </ul>	Applicant(s)						
Jeremy C. Norris  The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication If the period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication If INO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133) Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on 21 November 2002.  2a) This action is FINAL.  2b) Responsive to communication is in condition for allowance except for formal matters, prosecution as to the merits of closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1.2.5.15 and 16 is/are pending in the application.  4a) Of the above claim(s) 15 and 16 is/are withdrawn from consideration.	DABRAL ET AL.						
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5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1,2 and 5</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) $oxtimes$ The drawing(s) filed on <u>29 December 1999</u> is/are: a) $oxtimes$ accepted or b) $oxtimes$ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12)☐ The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
<ul> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application							
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2603. 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other:							

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### **DETAILED ACTION**

### **Drawings**

This application has been filed with informal drawings, which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, and 5 rejected under 35 U.S.C. 102(e) as being anticipated by US 6,198,362 (hereafter Harada).

Harada discloses, referring to figure 1 and 2, a circuit board having two sides, the circuit board comprising: A substrate (not shown, see col. 6, lines 5-20) having a first array of vias (leftmost vias 7) to connect to a first agent (8), the first array of vias defining a first set of channels on the substrate, and having a second array of vias (rightmost vias 7), the second array of vias defining a second set of channels on the substrate; and a bus comprising bus traces (6), wherein each bus trace is routed in only one channel belonging to the first set of channels and routed in only one channel belonging to the second set of channels [claim 1], wherein the first and second agents

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are mounted upon only one of the two sides of the circuit board [claim 2], wherein the first array of vias are arranged in substantially linear rows and the second array of vias are arranged in substantially linear rows [claim 5].

# Response to Arguments

Applicant's arguments with respect to claims 1, 2, and 5 have been considered but are most in view of the new ground(s) of rejection.

#### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 5,418,690 Conn et al..

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeremy C. Norris whose telephone number is 703-306-5737. The examiner can normally be reached on Mon.-Th., 9AM - 6:30 PM and alt. Fri. 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on 703-305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-0725 for regular communications and 703-308-0725 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

JCSN July 13, 2003 Charlian Thai